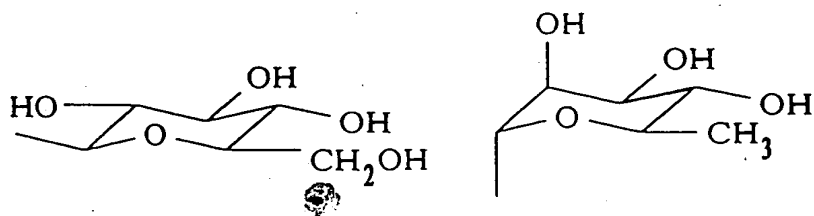


$R_1$

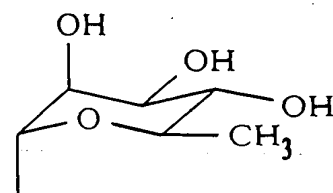
$R_2$

**Anthocyanin 1**  
(cyanidin-3-glucosylrutinoside)



**Anthocyanin 2**  
(cyanidin-3-rutinoside)

H

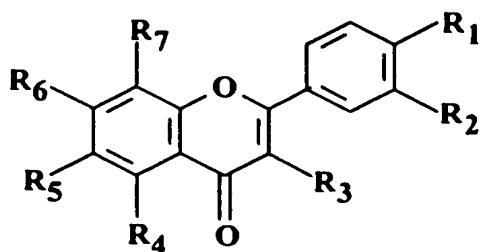


**Anthocyanin 3**  
(cyanidin-3-glucoside)

H

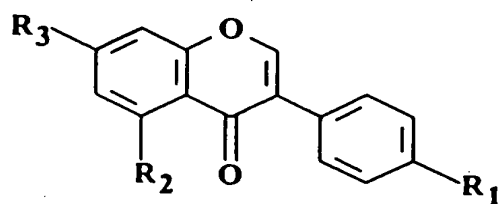
H

**FIG. 1**



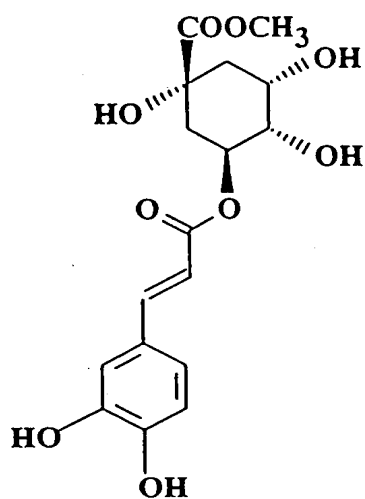
Compound	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>	R <sub>4</sub>	R <sub>5</sub>	R <sub>6</sub>	R <sub>7</sub>
Quercetin	OH	OH	OH	OH	H	OH	H
Kaempferol	OH	H	OH	OH	H	OH	H
Luteolin	OH	OH	H	OH	H	OH	H
Quercitrin	OH	OH	ramnose	OH	H	OH	H
Kaempferol 3-rutinoside	OH	H	rutinose	OH	H	OH	H
3'-methoxy kaempferol 3-rutinoside	OH	OMe	rutinose	OH	H	OH	H
5,8,4'-trihydroxyl-6,7-dimethoxyflavone	OH	H	H	OH	OMe	OH	OMe

FIG. 2

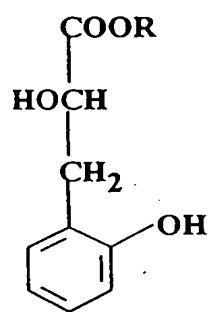


Compound	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>
Genistein	OH	OH	OH
Genistin	OH	OH	glucose
Biochanin A	OMe	OH	OH
Daidzein	OH	H	OH
Formononetin	OMe	H	OH

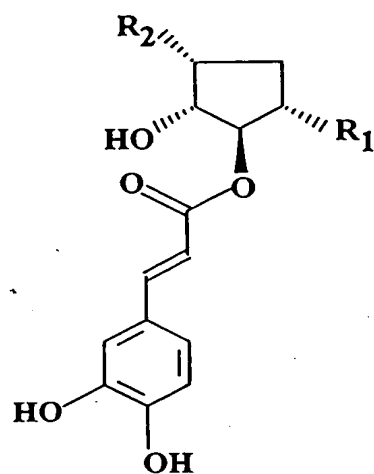
**FIG. 3**



1



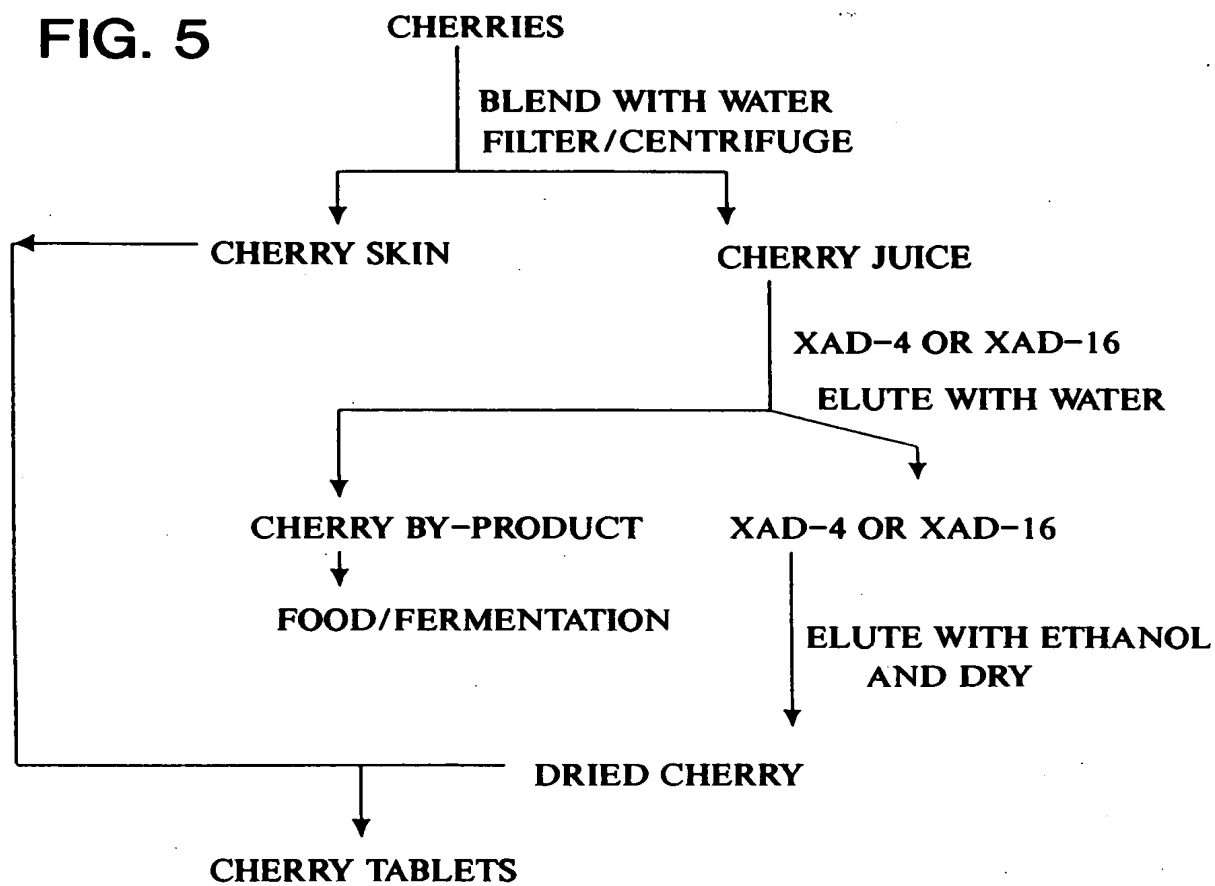
2 R = H  
5 R = CH<sub>3</sub>



3 R<sub>1</sub> = OH, R<sub>2</sub> = H  
4 R<sub>1</sub> = H, R<sub>2</sub> = OH

FIG. 4

**FIG. 5**



**FIG. 6**

